

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004707

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07H21/00 C12Q1/68 C12N15/11

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07H C12Q C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, PAJ, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/08183 A1 (LANE, MICHAEL, J; BENIGHT, ALBERT, S; FALDASZ, BRIAN, D) 6 March 1997 (1997-03-06) cited in the application page 9 - page 10	1,2
X	ZHAO XIAODONG ET AL: "Immobilization of oligodeoxyribonucleotides with multiple anchors to microchips" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 29, no. 4, 15 February 2001 (2001-02-15), pages 955-959, XP002175040 ISSN: 0305-1048	1-10,15, 18-20, 23-34, 37-39
Y	page 957 - page 958; figure 1 ----- -/--	3-7,9,10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

1 February 2005

Date of mailing of the international search report

28/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 174 879 A1 (INSTITUT PASTEUR; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE ; CENTR) 19 March 1986 (1986-03-19)	1,2,8, 11-13, 15-20, 23-31, 33-40
Y	page 4 - page 17	3-7,9, 10,14
X	US 2003/022207 A1 (BALASUBRAMANIAN SHANKAR ET AL) 30 January 2003 (2003-01-30) page 5, paragraph 53	21,22
Y	WO 01/92284 A1 (AMERSHAM PHARMACIA BIOTECH UK LIMITED; ODEDRA, RAJ; SIMMONDS, ADRIAN;) 6 December 2001 (2001-12-06) page 12, line 23 - line 25; claim 12	14
A	US 4 659 774 A (WEBB ET AL) 21 April 1987 (1987-04-21) the whole document	1-40
A	WO 02/061126 A2 (SOLEXA LTD; BARNES, COLIN; BALASUBRAMANIAN, SHANKAR; KLENERMAN, DAVID;) 8 August 2002 (2002-08-08) page 6, line 22 - line 24; example 1	1-40
A	WO 01/16152 A2 (AMERSHAM PHARMACIA BIOTECH, INC) 8 March 2001 (2001-03-08) the whole document	1-40
A	FANG X ET AL: "Designing a novel molecular beacon for surface-immobilized DNA hybridization studies" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 31 MAR 1999 UNITED STATES, vol. 121, no. 12, 31 March 1999 (1999-03-31), pages 2921-2922, XP002315845 ISSN: 0002-7863 the whole document	1-40
A	BROUDE N E: "Stem-loop oligonucleotides: a robust tool for molecular biology and biotechnology" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 20, no. 6, 1 June 2002 (2002-06-01), pages 249-256, XP004352763 ISSN: 0167-7799 the whole document	1-40
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	<p>PIRRUNG M C ET AL: "Novel reagents and procedures for immobilization of DNA on glass microchips for primer extension"  LANGMUIR, ACS, WASHINGTON, DC, US,  vol. 16, 2000, pages 2185-2191,  XP002158761  ISSN: 0743-7463  the whole document</p>	1-40
A	<p>RICCELLI P V ET AL: "Hybridization of single-stranded DNA targets to immobilized complementary DNA probes: comparison of hairpin versus linear capture probes"  NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB,  vol. 29, no. 4,  15 February 2001 (2001-02-15), pages  996-1004, XP002282478  ISSN: 0305-1048  the whole document</p>	1-40

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Information on patent family members

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